

## UNITED STATES PATENT OFFICE

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## GAS GUN

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The invention has relation to fire arms or guns having for an object to provide an improved device in the form of a small inoffensive looking object, such as a fountain pen, which may be readily carried about the person or clipped to the pocket of a coat or vest, and which may be readily discharged. Other objects and advantages will hereinafter appear.

The invention consists in the novel construction and combinations of parts, as set forth in the appended claims.

In the accompanying drawings illustrating an embodiment of the invention:

Figure 1 is a side view of the invention.

Figure 2 is a central longitudinal section of the same, with the cartridge shell proper in full lines.

Figure 3 is a detail exploded side view of the inner and outer parts of the cartridge shell, and a portion of the gun barrel.

Figure 4 is a perspective view of the invention as held in the hand.

In these drawings, the numeral 1 designates the cylindrical barrel of the gun, which is in the form of a fountain pen, provided with a clip 2 for the pocket, said barrel being closed at one end by an integral wall 3, a coiled spring 4 being provided within the barrel and adapted to act upon a firing pin 5.

Closing the other end of the gun barrel is a gas cartridge 6, removably fitting within said end and having preferably screw engagement therewith at 7, the cartridge shell having an outer knurled flange 8, whereby a better finger hold may be obtained and limiting the screw movement by engaging the end of the barrel.

The cartridge shell is shown as made in two parts whereof the outer part 6 has screw engagement with the barrel and is open at both ends, and the inner part 9 containing the charge and the primer has close fitting removable engagement with said outer part. The said inner part 9 is the ordinary primed cartridge shell bought in the open market and slipped within said outer part 6, the base flange of said inner part engaging the inner end of said outer part to limit the movement

and affording a finger hold for withdrawal purposes.

The cartridge shell is filled with a suitable chemical such as chloracetophenone or its equivalent, and when the primer is struck by the firing pin, said chemical is vaporized and shot out of the gun, thereby immediately acting upon the eyes of a person at which the gun is shot to temporarily blind or disable him.

The firing pin is readily retractible and releasable by means of a lateral finger projection 10, engaging a longitudinal slot 11 of the gun barrel, said pin being within reach of the thumb or other finger of the hand.

I claim:—

1. A gas gun in the form of a fountain pen or the like, having a barrel, a spring acting firing pin within said barrel, and a gas cartridge shell fitting within and having removable engagement with the outer end portion of said barrel.

2. A gas gun in the form of a fountain pen or the like, having a barrel, a spring acting firing pin within said barrel, and a gas cartridge shell fitting within and having removable engagement with the outer end portion of said barrel and provided with an outer knurled finger hold end limiting the inward movement.

3. A gas gun in the form of a fountain pen or the like, having a barrel, a spring acting firing pin within said barrel, and a gas cartridge shell fitting within and having removable engagement with the outer end portion of said barrel and made in two parts, the outer part being open at both ends and having an outer knurled finger hold end limiting the inward movement and the inner part being the ordinary primed shell fitting closely within said outer part and the base flange of which limits the inward movement.

In testimony whereof I affix my signature.

WALLACE M. MINTO.

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Oct. 6, 1931.

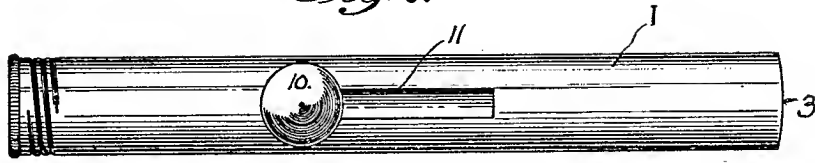
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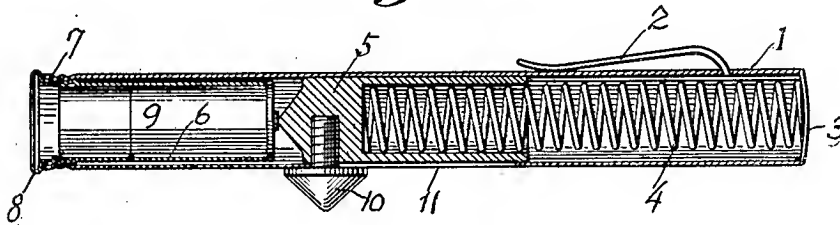
GAS GUN

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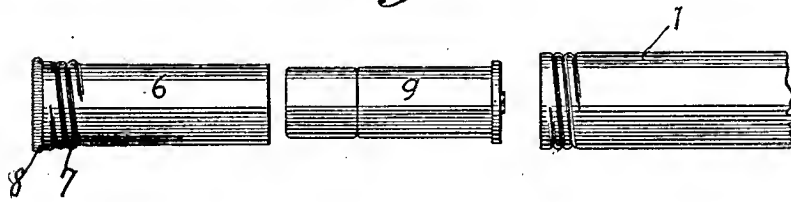
*Fig. 1.*



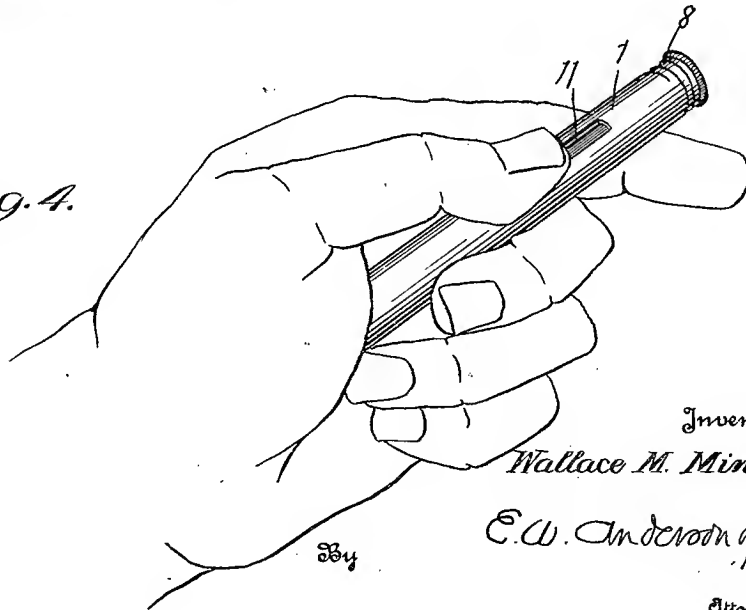
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



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